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(54) CEMENT CLINKER AND CEMENT COMPOSITION

(57)Abstract:

PROBLEM TO BE SOLVED: To provide cement clinker which enables improvement in reduction rate of cement compressive strength and increase in blending ratio of waste in a clinker raw material blend, and also to provide a cement composition.

SOLUTION: This cement clinker is obtained by firing a raw material blend containing phosphorous-containing waste (such as sewage sludge and municipal solid waste incineration ash) and has a 0.3-5.0 mass% P₂O₅ content, a hydraulic modulus(HM) of 2.16-2.40 and a silica modulus(SM) of 1.3-2.4 (excluding 2.4). This cement composition is produced by grinding the cement clinker and gypsum and has a 1.5-3.0 mass% total SO₃ content.

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